



**BOBBY JINDAL**  
GOVERNOR

**HAROLD LEGGETT, PH.D.**  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

Certified Mail No.

Activity No.: PER20090001  
Agency Interest No. 166249

Walter L. Ferguson  
Sr. Vice President, Operations and Engineering  
PO Box 21734  
Shreveport, LA 71151-1734

RE: Part 70 Operating Permit  
Hall Summit Compressor Station  
Ringgold, Bienville Parish, Louisiana

Dear Mr. Ferguson:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

Permit No.: 0360-00751-V0

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary  
CSN:dcd  
c: EPA Region VI

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Hall Summit Compressor Station  
Agency Interest No.: 166249  
CenterPoint Energy Field Services Inc  
Ringgold, Bienville Parish, Louisiana**

**I. Background**

CenterPoint Energy Field Services Inc, Hall Summit Compressor Station, will be a new natural gas gathering compressor station. There has been no previously known industrial activity at this site.

This is the initial Part 70 operating permit for the facility.

**II. Origin**

A permit application and Emission Inventory Questionnaire were submitted by CenterPoint Energy Field Services Inc on August 3, 2009, requesting a Part 70 operating permit.

**III. Description**

The Hall Summit Compressor Station will be a natural gas gathering compressor station composed of seventeen (17) compressor engines and two (2) storage tanks which will be located near Ringgold, Louisiana.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Emissions</u>
PM <sub>10</sub>	7.48
SO <sub>2</sub>	0.51
NO <sub>x</sub>	240.49
CO	219.81
VOC *	212.14

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**\*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Emissions
Acetaldehyde	6.29
Acrolein	3.91
Benzene	0.38
Ethylbenzene	0.04
Formaldehyde	17.51
n-Hexane	0.09
Methanol	1.87
Toluene	0.38
Xylene	0.04
Total	30.51
Other VOC (TPY):	181.63

**IV. Type of Review**

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. Formaldehyde (Class I) is emitted in an amount that is in excess of the major source threshold. Acetaldehyde (Class II), Acrolein (Class II), Benzene (Class I), and Formaldehyde (Class I) are emitted in amounts that exceed their respective Minimum Emission Rates. Maximum Achievable Control Technology (MACT) in accordance with LAC 33:III.Chapter 51 must be addressed for these pollutants.

MACT is determined to be compliance with 40 CFR 63 Subpart ZZZZ - National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

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**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

**VII. Effects on Ambient Air**

Emissions associated with the proposed facility were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

**VIII. General Condition XVII Activities**

Work Activity	Schedule	Emission Rates - tons				
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>X</sub>	CO	VOC
Gas Sampling	365 times/yr	-	-	-	-	< 0.1
Safety		-	-	-	-	< 0.1
Inspection/Check						
on	365 times/yr					
Pressure/Vacuum						
Vents on Tanks						

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Hall Summit Compressor Station**  
**Agency Interest No.: 166249**  
**CenterPoint Energy Field Services Inc**  
**Ringgold, Bienville Parish, Louisiana**

<b>Work Activity</b>	<b>Schedule</b>	<b>Emission Rates - tons</b>				<b>VOC</b>
		<b>PM<sub>10</sub></b>	<b>SO<sub>2</sub></b>	<b>NO<sub>X</sub></b>	<b>CO</b>	
Inspections on Control Devices	365 times/yr	-	-	-	-	< 0.1
Service Factors on Control Devices	365 times/yr	-	-	-	-	< 0.1
Removal of Tank Sludge	365 times/yr	-	-	-	-	< 0.1
Vessel Preparation	365 times/yr	-	-	-	-	< 0.1
Instrument Maintenance	365 times/yr	-	-	-	-	< 0.1
Tank Gauging	365 times/yr	-	-	-	-	< 0.1
Removal of Solids from Sumps	365 times/yr	-	-	-	-	< 0.1
Nitrogen Blowing of Lines and Equipment	365 times/yr	-	-	-	-	< 0.1
Valve Maintenance	365 times/yr	-	-	-	-	< 0.1
Misc. Equipment Preparation	365 times/yr	-	-	-	-	< 0.1
Startups and Shutdowns	100 times/yr	-	-	< 5.0	< 5.0	< 5.0

#### **IX. Insignificant Activities**

<b>ID No.:</b>	<b>Description</b>	<b>Citation</b>
-	Seventeen (17) Lube Oil Tanks	LAC 33:III.501.B.5.A.3
-	Twelve (12) Antifreeze Tanks	LAC 33:III.501.B.5.A.3
-	Eight (8) Waste Oil Tanks	LAC 33:III.501.B.5.A.3

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**Ringgold, Bienville Parish, Louisiana**

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33.III.Chapter																				
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	2123	22	29*	51*	53*	56	59*	
UNF1	Hall Summit Compressor Station	1		1	1	1				1	1									1		
EQT 1	C-1 - Compressor Engine, Caterpillar 3516TALLE, 1340 hp with oxidation catalyst																				1	
EQT 2	C-2 - Compressor Engine, Caterpillar 3516TALLE, 1340 hp with oxidation catalyst																				1	
EQT 3	C-3 - Compressor Engine, Caterpillar 3516TALLE, 1340 hp with oxidation catalyst																				1	
EQT 4	C-4 - Compressor Engine, Caterpillar 3516TALLE, 1340 hp with oxidation catalyst																				1	
EQT 5	C-5 - Compressor Engine, Caterpillar 3516TALLE, 1340 hp with oxidation catalyst																				1	
EQT 6	C-6 - Compressor Engine, Caterpillar 3516TALLE, 1340 hp with oxidation catalyst																				1	

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ID No.:	Description	LAC 33:III.Chapter																			
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	2123	22	29*	51*	53*	56	59*
EQT 7	C-7 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst				1	1	3										1				
EQT 8	C-8 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst				1	1	3										1				
EQT 9	C-9 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst				1	1	3										1				
EQT 10	C-10 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst				1	1	3										1				
EQT 11	C-11 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst				1	1	3										1				
EQT 12	C-12 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst				1	1	3										1				
EQT 13	C-13 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst				1	1	3										1				

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ID No.:	Description	LAC 33:III.Chapter																			
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116*	2123	22	29*	51*	53*	56	59*
EQT 14	C-14 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst				1	1	3													1	
EQT 15	C-15 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst				1	1	3													-	
EQT 16	C-16 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst				1	1	3													-	
EQT 17	C-17 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst				1	1	3													1	
EQT 18	TANK-1 - 210 BBL Produced Water Tank													2							
EQT 19	TANK-2 - 210 BBL Produced Water Tank													2							
EQT 20	L-1 - Tank Truck Loading																			1	
FUG 1	FUG-1 - Fugitive Emissions																			1	

\* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

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**KEY TO MATRIX**

- 1 -The regulations have applicable requirements that apply to this particular emission source.  
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.  
Blank – The regulations clearly do not apply to this type of emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY****Hall Summit Compressor Station**

Agency Interest No.: 166249

CenterPoint Energy Field Services Inc  
Ringgold, Bienville Parish, Louisiana**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR		
		A	K	Ka	Kb	Db	Dc	GG	KKK	JJJ	A	J	V	A	HH	SS	VV	ZZZZ	64	68		
UNF1	Hall Summit Compressor Station	1																1				
EQT 1	C-1 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1												
EQT 2	C-2 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1									1			
EQT 3	C-3 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1									1			
EQT 4	C-4 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1									1			
EQT 5	C-5 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1									1			
EQT 6	C-6 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1									1			

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ID No.:	Description	40 CFR 60 NSPS						40 CFR 61			40 CFR 63 NESHAP			40 CFR					
		A	K	Ka	Kb	Db	Dc	GG	KKK	JJJ	A	J	V	A	HH	SS	VV	ZZZZ	64
EQT 7	C-7 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1								1	
EQT 8	C-8 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1								1	
EQT 9	C-9 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1								1	
EQT 10	C-10 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1								1	
EQT 11	C-11 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1								1	
EQT 12	C-12 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1								1	
EQT 13	C-13 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1								1	

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ID No.:	Description	40 CFR 60 NSPS						40 CFR 61			40 CFR 63 NESHAP			40 CFR					
		A	K	Ka	Kb	Db	Dc	GG	KKK	JJJ	A	J	V	A	HH	SS	VV	ZZZZ	64
EQT 14	C-14 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1									
EQT 15	C-15 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									1								1	
EQT 16	C-16 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									3									
EQT 17	C-17 - Compressor Engine, Caterpillar 3516TALE, 1340 hp with oxidation catalyst									3								1	
EQT 18	TANK-1 – 210 BBL Produced Water Tank																		
EQT 19	TANK-2 – 210 BBL Produced Water Tank																		
EQT 20	L-1 – Tank Truck Loading																		
FUG 1	FU-1 – Fugitive Emissions																		

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- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.  
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**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No.	Requirement	Notes
EQTs 1-17	Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A]	DOES NOT APPLY. Emissions of sulfur dioxide are less than five tons per year. [LAC 33:III.1502.A.3]
EQT 16 &17	NSPS JJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	DOES NOT APPLY. Engines were manufactured prior to January 1, 2008. [40 CFR 60.4230(a)(4)(ii)]
EQT 18 & 19	Storage of Volatile Organic Compounds [LAC 33:III.2103]	EXEMPT. Storage tanks contain condensate and have a nominal storage capacity of less than 420,000 gallons. [LAC 33:III.2103.G.1]

The above table provides explanation for either the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

General Information

**AI ID:** 166249 Hall Summit Compressor Station  
**Activity Number:** PER20090001  
**Permit Number:** 0360-00751-V0  
**Air - Title V Regular Permit Initial**

Also Known As:	ID	Name	User Group	Start Date
	0360-00751	CDS Number CenterPoint Energy Field Services Inc	CDS Number Multimedia	08-12-2009 08-12-2009
Physical Location:				
		Hwys 371/7 5.87 Mi S of Ringgold, LA 70090		
Mailing Address:				
		PO Box 21734 Shreveport, LA 711511734		
Related People:				
		Name	Mailing Address	Relationship
		Walter Ferguson	PO Box 21734 Shreveport, LA 711511734	walter.ferguson@cer
		Walter Ferguson	PO Box 21734 Shreveport, LA 711511734	7132075128 (WP)
		Walter Ferguson	PO Box 21734 Shreveport, LA 711511734	walter.ferguson@cer
		Walter Ferguson	PO Box 21734 Shreveport, LA 711511734	7132075128 (WP)
Related Organizations:				
		Name	Address	Relationship
		CenterPoint Energy Field Services Inc	PO Box 21734 Shreveport, LA 711511734	Operates
		CenterPoint Energy Field Services Inc	PO Box 21734 Shreveport, LA 711511734	Air Billing Party for
		CenterPoint Energy Field Services Inc	PO Box 21734 Shreveport, LA 711511734	Owes

**Note:** This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

**INVENTORIES**

**AI ID: 166249 - Hall Summit Compressor Station**  
**Activity Number: PER20090001**  
**Permit Number: 0360-00751-V0**  
**Air - Title V Regular Permit Initial**

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Entire Facility</b>						
EQT 0001	C-1 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0002	C-2 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0003	C-3 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0004	C-4 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0005	C-5 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0006	C-6 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0007	C-7 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0008	C-8 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0009	C-9 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0010	C-10 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0011	C-11 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0012	C-12 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0013	C-13 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0014	C-14 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0015	C-15 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0016	C-16 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0017	C-17 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	1340 horsepower	1340 horsepower	1340 horsepower	Natural Gas	8760 hr/yr
EQT 0018	TANK-1 - 210 BBL Produced Water Tank	210 bbl	200 bbl/day	200 bbl/day	produced water	8760 hr/yr
EQT 0019	TANK-2 - 210 BBL Produced Water Tank	210 bbl	200 bbl/day	200 bbl/day	produced water	8760 hr/yr
EQT 0020	L-1 - Tank Truck Loading		1460 bbl/yr	1460 bbl/yr		767 hr/yr
FUG 0001	FUG-1 - Fugitive Emissions					8760 hr/yr
<b>Stack Information:</b>		<b>Description</b>	<b>Velocity (ft/sec)</b>	<b>Flow Rate (cubic ft/min-actual)</b>	<b>Diameter (feet)</b>	<b>Temperature (°F)</b>
<b>Entire Facility</b>						

**INVENTORIES**

**AI ID: 166249 - Hall Summit Compressor Station**  
**Activity Number: PER20090001**  
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**Air - Title V Regular Permit Initial**

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
<b>Entire Facility</b>							
EQT 0001	C-1 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0002	C-2 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0003	C-3 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0004	C-4 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0005	C-5 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0006	C-6 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0007	C-7 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0008	C-8 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0009	C-9 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0010	C-10 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0011	C-11 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0012	C-12 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0013	C-13 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0014	C-14 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0015	C-15 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0016	C-16 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EQT 0017	C-17 - Compressor Engine, Caterpillar G3516TALE 1340 hp with oxidation catalyst	225.83	7685	.85		22	855
EOT 0018	TANK-1 - 210 BBL Produced Water Tank			.35		16	
EOT 0019	TANK-2 - 210 BBL Produced Water Tank			.35		16	

**Relationships:**

Subject Item Groups:	Group Type	Group Description
CRG 0001	Common Requirements Group	CRG 1 - Engines subject to 40 CFR 60 Subpart JJ.JJ

**INVENTORIES**

**AI ID: 186249 - Hall Summit Compressor Station**  
**Activity Number: PER20090001**  
**Permit Number: 0380-00751-V0**  
**Air - Title V Regular Permit Initial**

**Subject Item Groups:**

ID	Group Type	Group Description
CRG 0002	Common Requirements Group	CRG 2 - Compressor Engines
UNF 0001	Unit or Facility Wide	- Entire Facility

**Group Membership:**

ID	Description	Member of Groups
EQT 0001	C-1 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0002	C-2 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0003	C-3 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0004	C-4 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0005	C-5 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0006	C-6 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0007	C-7 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0008	C-8 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0009	C-9 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0010	C-10 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0011	C-11 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0012	C-12 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0013	C-13 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0014	C-14 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0015	C-15 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0016	C-16 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002
EQT 0017	C-17 - Compressor Engine, Caterpillar G3516T/ALE 1340 hp with oxidation catalyst	CRG0000000001, CRG0000000002

**NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group**

**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multplier	Units Of Measure
1450	1450 Recip. Nat Gas Comp (20,000 to 50,000 H.P.)	22780	100 hp

**SIC Codes:**

1389	Oil and gas field services, nec	UNF 001
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**EMISSION RATES FOR CRITERIA POLLUTANTS**

**AJ ID:** 166249 - Hall Summit Compressor Station  
**Activity Number:** PER20090001  
**Permit Number:** 0360-00751-V0  
**Air - Title V Regular Permit Initial**

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>Entire Facility</b>															
EQT 0001 C_1	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EQT 0002 C_2	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EQT 0003 C_3	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EQT 0004 C_4	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EQT 0005 C_5	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EQT 0006 C_6	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EOT 0007 C_7	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EOT 0008 C_8	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EOT 0009 C_9	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EQT 0010 C_10	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EQT 0011 C_11	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EQT 0012 C_12	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EQT 0013 C_13	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EQT 0014 C_14	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EOT 0015 C_15	2.95	2.95	12.93	2.95	2.95	12.93	0.10	0.10	0.44	0.01	0.01	0.03	2.95	2.95	12.93
EOT 0016 C_16	2.95	2.95	12.93	5.31	5.31	23.27	0.10	0.10	0.44	0.01	0.01	0.03	1.36	1.36	5.95
EQT 0017 C_17	2.95	2.95	12.93	5.31	5.31	23.27	0.10	0.10	0.44	0.01	0.01	0.03	1.36	1.36	5.95
EOT 0018 TANK-1													0.40	0.40	1.74
EOT 0019 TANK-2													0.40	0.40	1.74
EOT 0020 L_1													0.46	0.46	0.17
FUG 0001 F.U.1													0.60	0.60	2.64

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 166249 - Hall Summit Compressor Station

Activity Number: PER20090001

Permit Number: 0360-00751-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 C-1	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0002 C-2	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0003 C-3	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0004 C-4	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0005 C-5	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0006 C-6	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 166249 - Hall Summit Compressor Station

Activity Number: PER20090001

Permit Number: 0360-00751-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0006 C-6	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0007 C-7	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0008 C-8	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0009 C-9	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0010 C-10	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0011 C-11	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 166249 - Hall Summit Compressor Station

Activity Number: PER20090001

Permit Number: 0360-00751-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0012 C-12	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0013 C-13	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0014 C-14	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0015 C-15	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0016 C-16	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02
	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0017 C-17	Acetaldehyde	0.08	0.08	0.37
	Acrolein	0.05	0.05	0.23
	Benzene	0.004	0.004	0.02

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 166249 - Hall Summit Compressor Station

Activity Number: PER20090001

Permit Number: 0360-00751-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0017 C-17	Formaldehyde	0.24	0.24	1.03
	Methanol	0.03	0.03	0.11
	Toluene	0.004	0.004	0.02
EQT 0018 TANK-1	Benzene	0.001	0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Toluene	0.001	0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.01	0.01	0.02
EQT 0019 TANK-2	Benzene	0.001	0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Toluene	0.001	0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.01	0.01	0.02
EQT 0020 L-1	Benzene	0.001	0.001	<0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Toluene	0.001	0.001	<0.01
	Xylene (mixed isomers)	<0.001	<0.001	<0.01
	n-Hexane	0.01	0.01	<0.01
FUG 0001 FU-1	Benzene	0.002	0.002	0.01
	Ethyl benzene	<0.001	<0.001	<0.01
	Toluene	0.002	0.002	0.01
	Xylene (mixed isomers)	0.001	0.001	<0.01
	n-Hexane	0.01	0.01	0.04
UNF 0001	Acetaldehyde			6.29
	Acrolein			3.91
	Benzene			0.38
	Ethyl benzene			0.04
	Formaldehyde			17.51
	Methanol			1.87
	Toluene			0.38
	Xylene (mixed isomers)			0.04
	n-Hexane			0.09

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rate:

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

**AI ID: 166249 - Hall Summit Compressor Station**

**Activity Number: PER20090001**

**Permit Number: 0360-00751-V0**

**Air - Title V Regular Permit Initial**

attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**SPECIFIC REQUIREMENTS**

**AI ID:** 166249 - Hall Summit Compressor Station  
**Activity Number:** PER20090001  
**Permit Number:** 0360-00751-V0  
**Air - Title V Regular Permit Initial**

**EQT 0018 TANK-1 - 210 BBL Produced Water Tank**

- Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.  
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
 MACT is determined to be no additional controls.

**EQT 0019 TANK-2 - 210 BBL Produced Water Tank**

- Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.  
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
 MACT is determined to be no additional controls.

**EQT 0020 L-1 - Tank Truck Loading**

- Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.  
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
 MACT is determined to be no additional controls.

**FUG 0001 FU-1 - Fugitive Emissions**

- Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.  
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
 MACT is determined to be no additional controls.

**CRG 0001 CRG 1 - Engines subject to 40 CFR 60 Subpart JJJJ**

**Group Members:** EQT 0001EQT 0002EQT 0003EQT 0004EQT 0005EQT 0006EQT 0007EQT 0008EQT 0009EQT 0010EQT 0011EQT 0012EQT 0013EQT 0014EQT 0015

- (Excluding formaldehyde) VOC, Total <= 1.0 g/BHP-hr; 86 ppmdv at 15% O2). Subpart JJJJ. [40 CFR 60.4233(e)]  
 Which Months: All Year Statistical Basis: None specified  
 Nitrogen oxides <= 2.0 g/BHP-hr (0.0044 lb/HP-hr; 160 ppmdv at 15% O2). Subpart JJJJ. [40 CFR 60.4233(e)]  
 Which Months: All Year Statistical Basis: None specified  
 Carbon monoxide <= 4.0 g/BHP-hr (0.0088 lb/HP-hr; 540 ppmdv at 15% O2). Subpart JJJJ. [40 CFR 60.4233(e)]  
 Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AI ID: 166249 - Hall Summit Compressor Station**  
**Activity Number: PER20090001**  
**Permit Number: 0360-00754-V0**  
**Air - Title V Regular Permit Initial**

**CRG 0001 CRG 1 - Engines subject to 40 CFR 60 Subpart JJJJ**

- 12 [40 CFR 60.4234] Operate and maintain stationary SI ICE to achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.  
Subpart JJJJ.
- 13 [40 CFR 60.4243(b)(2)] Demonstrate compliance with the emission standards specified in 40 CFR 60.4233(d) or (e) according to the requirements specified in 40 CFR 60.4244, as applicable. Subpart JJJJ. [40 CFR 60.4243(b)(2)]
- 14 [40 CFR 60.4243(b)(2)] Conduct an initial performance test. Conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance, if the engine is greater than 500 HP. Subpart JJJJ. [40 CFR 60.4243(b)(2)]
- 15 [40 CFR 60.4243(b)(2)] Ensure that the engine is maintained and operated to the extent practicable in a manner consistent with good air pollution control practice for minimizing emissions. Subpart JJJJ. [40 CFR 60.4243(b)(2)]
- 16 [40 CFR 60.4243(b)(2)] Demonstrate compliance with the emission standards specified in 40 CFR 60.4233(d) or (e) according to the requirements specified in 40 CFR 60.4244, as applicable. Subpart JJJJ. [40 CFR 60.4243(b)(2)]
- 17 [40 CFR 60.4243(e)] Operate using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations. Keep records of such use. If propane is used for more than 100 hours per year and the engine is not certified to the emission standards when using propane, conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. Subpart JJJJ. [40 CFR 60.4243(e)]
- 18 [40 CFR 60.4243(g)] Air-to-fuel ratio controller: Maintain and operate appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. Subpart JJJJ. [40 CFR 60.4243(g)]
- 19 [40 CFR 60.4244] When performance tests in accordance with 40 CFR 60 Subpart JJJJ are required, conduct performance tests by following the procedures in 40 CFR 60.4244(a) through (g). Subpart JJJJ.
- 20 [40 CFR 60.4245(a)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information in 40 CFR 60.4245(a)(1) through (a)(4). Subpart JJJJ. [40 CFR 60.4245(a)]
- 21 [40 CFR 60.4245(c)] Submit an initial notification as required in 40 CFR 60.7(a)(1). Include the information in 40 CFR 60.4245(c)(1) through (c)(5). Subpart JJJJ. [40 CFR 60.4245(c)]
- 22 [40 CFR 60.4245(d)] Submit performance test results: Due within 60 days after each test conducted according to 40 CFR 60.4244 has been completed, when performance tests in accordance with 40 CFR 60 Subpart JJJJ are required. Subpart JJJJ. [40 CFR 60.4245(d)]

**CRG 0002 CRG 2 - Compressor Engines**

Group Members: EQT 0001EQT 0002EQT 0003EQT 0004EQT 0005EQT 0006EQT 0007EQT 0008EQT 0009EQT 0010EQT 0011EQT 0012EQT 0013EQT 0014EQT 0015EQT 0016EQT 0017

- 23 [40 CFR 63.6600(b)] Option 1 of 2: Carbon monoxide  $\geq 93\%$  reduction. Subpart ZZZZ. [40 CFR 63.6600(b)]  
Which Months: All Year Statistical Basis: None specified  
Option 2 of 2: Formaldehyde  $\leq 14 \text{ ppm} \text{d}$  at 15% oxygen. Subpart ZZZZ. [40 CFR 63.6600(b)]  
Which Months: All Year Statistical Basis: None specified  
Be in compliance with emission limitations in 40 CFR 63 Subpart ZZZZ at all times, except during periods of startup, shutdown and malfunction.  
Subpart ZZZZ. [40 CFR 63.6605(a)]
- 24 [40 CFR 63.6600(b)] Operate and maintain in a manner consistent with good air pollution control practices for minimizing emissions at all times, including during startup, shutdown, and malfunction. Subpart ZZZZ. [40 CFR 63.6605(b)]

**SPECIFIC REQUIREMENTS**

**AI ID:** 166249 - Hall Summit Compressor Station  
**Activity Number:** PER20090001  
**Permit Number:** 0360-00751-V0  
**Air - Title V Regular Permit Initial**

**CRG 002 CRG 2 - Compressor Engines**

- 27 [40 CFR 63.6615] Conduct subsequent performance tests semiannually. Subpart ZZZZ.
- 28 [40 CFR 63.6620(a)] Conduct each applicable performance test in 40 CFR 63 Subpart ZZZZ. Tables 3 and 4. Subpart ZZZZ. [40 CFR 63.6620(a)]
- 29 [40 CFR 63.6620(b)] Conduct each performance test according to the requirements in 40 CFR 63.7(e)(1) and under the specific conditions in 40 CFR 63 Subpart ZZZZ Table 4. Subpart ZZZZ. [40 CFR 63.6620(b)]
- 30 [40 CFR 63.6620(e)] Determine compliance with the percent reduction requirement using equation 1 in 40 CFR 63.6620. Subpart ZZZZ. [40 CFR 63.6620(e)]
- 31 [40 CFR 63.6620(i)] Include a written report of the average percent load determination in the notification of compliance status. Include the following information: the engine model number, the engine manufacturer, the year of purchase, the manufacturer's site-rated brake horsepower, the ambient temperature, pressure, and humidity during the performance test, and all assumptions that were made to estimate or calculate percent load during the performance test must be clearly explained. If measurement devices such as flow meters, kilowatt meters, beta analyzers, stain gauges, etc. are used, provide the model number of the measurement device, and an estimate of its accurate in percentage of true value. Subpart ZZZZ. [40 CFR 63.6620(i)]
- 32 [40 CFR 63.6620(i)] Determine the engine percent load during a performance test by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. Subpart ZZZZ. [40 CFR 63.6620(i)]
- 33 [40 CFR 63.6630(a)] Demonstrate initial compliance with each applicable emission and operating limitation according to 40 CFR 63 Subpart ZZZZ. Table 5. Subpart ZZZZ. [40 CFR 63.6630(a)]
- 34 [40 CFR 63.6640(a)] Demonstrate continuous compliance with each applicable emission limitation and operating limitation in 40 CFR 63 Subpart ZZZZ. Tables 1a and 1b and Tables 2a and 2b according to methods specified in 40 CFR 63 Subpart ZZZZ. Table 6. Subpart ZZZZ. [40 CFR 63.6640(a)]
- 35 [40 CFR 63.6640(b)] Conduct a performance test to demonstrate that the required emission limitation applicable are being met, if the values of the operating parameters are reestablished. Subpart ZZZZ. [40 CFR 63.6640(b)]
- 36 [40 CFR 63.6655] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.6655(a) through (d), as applicable. Subpart ZZZZ.
- 37 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 38 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 39 [LAC 33:III.5107.A.2] Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 40 [LAC 33:III.5109.A.1] Compliance with NESHAP 40 CFR 63 Subpart ZZZZ has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.

**UNF 0001 - Entire Facility**

**SPECIFIC REQUIREMENTS**

**AI ID: 166249 - Hall Summit Compressor Station**  
**Activity Number: PER20090001**  
**Permit Number: 0360-00751-Y0**  
**Air - Title V Regular Permit Initial**

**UNF 0001 - Entire Facility**

- 41 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 42 [40 CFR 63.] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 8 of 40 CFR 63 Subpart ZZZZ.
- 43 [LAC 33:III.1(03)] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111
- 44 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 45 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 46 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 47 [LAC 33:III.5105.A.1] Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III. Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
- 48 [LAC 33:III.5105.A.2] Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.
- 49 [LAC 33:III.5105.A.3] Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 50 [LAC 33:III.5105.A.4] Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
- 51 [LAC 33:III.5107.A.2] Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- 52 [LAC 33:III.5107.A] Submit Annual Emissions Report: Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- 53 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 54 [LAC 33:III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.

**SPECIFIC REQUIREMENTS**

AI ID: 166249 - Hall Summit Compressor Station  
 Activity Number: PER20090001  
 Permit Number: 0360-00751-V0  
 Air - Title V Regular Permit Initial

**UNF 0001 - Entire Facility**

55 [LAC 33:III.5107.B.3]

Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931.

56 [LAC 33:III.5107.B.4]

Submit notification in the manner provided in LAC 33:III.3923.

57 [LAC 33:III.5107.B.5]

Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.

Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.

Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.

Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.

Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.

Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]

Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.

During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.

64 [LAC 33:III.5901.A]

Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.

Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.